

AMENDMENTS TO THE CLAIMS

Claims 1-22 (cancelled)

23. (new) A hair extension applicator, of the kind used to lengthen and/or thicken head hairs by applying additional hair extensions to natural hair, comprising:

a handle;

at least a fixed jaw member and at least a pressing member, the latter apt to receive therebetween a portion of head hair and one or more fixing elements of respective additional hair extensions;

actuation means of said at least a pressing member, said at least a pressing member being controlled by said actuation means in a bidirectional translation motion to apply a pressure with respect to said at least a fixed jaw member operating as contrast means to the action of said at least a pressing member; and

a mobile pressing member acting on said fixed jaw member;

said mobile pressing member being controlled by a pneumatic device of said actuation means, operating at a predetermined pressure, said fixed jaw member being a rest for fixing elements of extensions.

24. (new) The applicator according to claim 23, wherein the actuation means comprises an actuation arm which is pivoted on the pressing member, to compensate possible differences in thickness of the head hair.

25. (new) The applicator according to claim 23, wherein said fixed jaw comprises a resting plane.

26. (new) The applicator according to claim 25, wherein, on both sides, the resting plane is equipped with comb-like means to align the receiving hair.

27. (new) The applicator according to claim 23, wherein the mobile pressing member has a pressing plane formed on the end of a stem.
28. (new) The applicator according to claim 23, having a body acting as handle and receives said actuation means.
29. (new) The applicator according to claim 27, having a body acting as handle and receives said actuation means, wherein the resting plane and the pressing plane are substantially perpendicular to the body development, the axis of the stem being coincident with the body development axis.
30. (new) The applicator according to claim 23, wherein the pneumatic device comprises a simple-effect piston containing a plunger and a spring guaranteeing the return, the piston being powered by a central system through a duct, the central system being equipped with a system for adjusting said predetermined pressure.
31. (new) The applicator according to claim 23, wherein the mobile pressing member, at its own pressing plane, is heated to activate the adhesion of fixing elements.
32. (new) The applicator according to claim 31, wherein in the mobile pressing member a thermistor is received, electrically powered by a central system at a predetermined voltage thereupon the temperature depends.
33. (new) The applicator according to claim 23, wherein a control unit comprises a timer which, in response to a command button, determines the carrying out of a compression – heating – decompression cycle implementing the joining between extensions and head hair.
34. (new) The applicator according to claim 23, which is assembled in a specific apparatus

comprising an extensible and revolving arm thereon a supporting cable is appended, supporting the applicator, said supporting cable being connected to a counter-weight system which virtually annuls the applicator weight for the operator.

35. (new) The applicator according to claim 34, wherein a control unit comprises a timer which, in response to a command button, determines the carrying out of a compression – heating – decompression cycle implementing the joining between extensions and head hair, and wherein said apparatus comprises a base supporting said control unit and which is assembled on wheels.

36. (new) The applicator according to claim 23, wherein, in opposition to said pressing member, the fixed jaw member has a surface plate manufactured with elastically deformable material.

37. (new) The applicator according to claim 24, wherein the actuation means comprises an electric motor with its own driving shaft, said actuation arm being mechanically engaged to said driving shaft to generate a translation motion.

38. (new) The applicator according to claim 24, wherein the actuation arm is inserted in a slideway limiting the stroke thereof.

39. (new) The applicator according to claim 23, wherein the return of the pressing member is guaranteed thanks to elastic members extended between the pressing member and the respective jaw.

40. (new) The applicator according to claim 23, having activation means of the fixing elements of the additional hair extensions comprising the pressing member and a vibrating member able to transmit vibrations with substantially ultrasonic frequency which can melt, by intermolecular friction, a thermoplastic substance constituting a fixing element.

41. (new) The applicator according to claim 40, wherein said second jaw operates as vibrating member, being connected to said vibration-generating means received inside the handle, in cooperation with the action of the pressing member.

42. (new) The applicator according to claim 23, wherein said pressing member operates as mobile jaw member which translates with respect to the fixed jaw member and with respect to a guide of the pressing member connected to said handle.

43. (new) A hair extension applicator, of the kind used to lengthen and/or thicken head hairs by applying additional hair extensions to natural hair, comprising:

a handle and a pair of jaws fixed and adjacent therebetween, supported on said handle, apt to receive therebetween a portion of head hair and one or more fixing elements of respective additional hair extensions, a first jaw of said pair supporting at least a pressing member and actuation means of said at least a pressing member, the second jaw acting as fixed jaw member as contrast means to the action of said at least a pressing member; and

a mobile pressing member acting on said second jaw, said mobile pressing member being controlled by a pneumatic device of said actuation means, operating at a predetermined pressure and said second jaw being a rest for fixing elements of extensions.

44. (new) The applicator according to claim 43, wherein said first jaw comprises, on its own inner surface facing the second jaw, a recess receiving the pressing member.